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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,036	01/09/2007	Pierre Girodet	4195-034	5333
24112	7590	09/08/2009	EXAMINER	
COATS & BENNETT, PLLC 1400 Crescent Green, Suite 300 Cary, NC 27518				SMYTH, ANDREW P
ART UNIT		PAPER NUMBER		
2881				
MAIL DATE		DELIVERY MODE		
09/08/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/578,036	GIRODET ET AL.
	Examiner	Art Unit
	ANDREW SMYTH	2881

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-33 is/are pending in the application.
 4a) Of the above claim(s) 1-12 is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 13-33 is/are rejected.
 7) Claim(s) ____ is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 07/03/2006.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Response to Preliminary Amendment

1. Claims 1-12 were canceled without prejudice.
2. Claims 13-33 are new claims.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 13-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Boehme (US 4,922,114).

Regarding claims 13, 23, and 30; Boehme teaches an ultraviolet water/liquid disinfection system/ method (abstract; note liquid purification) comprising: a plurality of ultraviolet lights (column 4, lines 4-7; note triple sleeves, each sleeve is for a UV source) with each ultraviolet light having a sheath/sleeve that's transparent to ultraviolet radiation (abstract; note sleeve of quartz that is UV transparent); a scraping ring/wiper (36 note wiper) surrounding each sheath/sleeve for moving back and forth along the sheath/sleeve and cleaning the sheath/sleeve (abstract note washer of suitable material on the plate to make contact with the sleeve for wiping the outer surface of the sleeve as the rod is reciprocated); a support structure (abstract note rod and 42) for supporting a plurality of the scraping

ring/wipers; a drive (38 note wiper knob) for driving the support structure and each of the scraping ring/wipers along the sheath/sleeve such that the scraping ring/wipers clean the sheath/sleeve ;

the support structure (figure 1; 34) including a series of bearing ring/wipers (figure 1, 36 wiper assemblies); and wherein each scraping ring/wiper is mounted within a respective bearing ring/wiper.

Regarding claims 14, 24, and 31, Boehme teaches that the scraping ring/wipers have a slot/hole to allow various scraping ring/wiper geometries (figures 5, 6, 7, see slot/hole 62 for support rod to hold varying wiper geometry designs).

Regarding claims 16, 27, and 32, Boehme teaches that each scraping ring/wiper (figure 4a; 36) cooperates with an elastomember (48) which tends to clamp the ring/wiper onto the sheath/sleeve and that the bearing ring supports the wiping ring (figure 4a, 48, 56, 54) (column 3, lines 6-28).

Regarding claims 17 and 29, Boehme teaches that the elastomember includes an annular spring (figure 4a, 48 is an annular spring).

Regarding claims 19, 28, and 33; Boehme teaches that the elastomember forms a part of the scraping ring/wiper (figure 4a, 48) (column 3, lines 6-28).

Regarding claims 22 and 25, Boehme teaches that the support structure (figure 3, 34, 42) includes a pair of arms between which extend a plurality of the bearing ring/wipers (figures 5, 6, 7 as various wiper arrangements supported by the bearing rings/arms).

Regarding claims 15, 18, 20-21, and 26, Boehme teaches that the support structure/ bearing ring is dimensioned to accommodate the wiper ring structure and its scrapping wiping member (figure 3a, 34, 44, 46, 48, 48a, 54)(see figure 4a, for assembled structure).

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Pertinent prior art is closely related art that individually or in combination could be considered grounds for rejection. See references cited for a listing of the pertinent prior art found and the prior art found.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Smyth whose telephone number is 571-270-1746. The examiner can normally be reached on 7:30AM - 5:00PM; Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. S./
Examiner, Art Unit 2881

/ROBERT KIM/
Supervisory Patent Examiner, Art Unit 2881